

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 03/29/99

Date Received: 03/18/99

Project: Metro Self Monitor, PO# M78624

Date Samples Extracted: 03/25/99

Date Extracts Analyzed: 03/25/99

**RESULTS FROM THE ANALYSIS OF THE WATER SAMPLE
FOR CHROMIUM, COPPER, NICKEL, ZINC
USING METHOD 6010**

Samples Processed Using Method 3005A

Results Reported as mg/L (ppm)

<u>Sample ID</u>	<u>Chromium</u>	<u>Copper</u>	<u>Nickel</u>	<u>Zinc</u>
M78624	0.62	0.61	0.64	0.08
Method Blank	<0.05	<0.05	<0.05	<0.05

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QUALITY ASSURANCE RESULTS FOR TOTAL METALS BY INDUCTIVELY COUPLED PLASMA (ICP) (METHOD 6010)

Laboratory Code: 903106-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	mg/L (ppm)	<0.05	<0.05	nm	0-20
Copper	mg/L (ppm)	<0.05	<0.05	nm	0-20
Nickel	mg/L (ppm)	<0.05	<0.05	nm	0-20
Zinc	mg/L (ppm)	<0.05	0.08	nm	0-20

Laboratory Code: 903106-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	% Recovery MS	% Recovery MSD	Acceptance Criteria	RPD
Chromium	mg/L (ppm)	5	<0.05	91	89	80-120	2
Copper	mg/L (ppm)	5	<0.05	102	100	80-120	2
Nickel	mg/L (ppm)	10	<0.05	90	90	80-120	0
Zinc	mg/L (ppm)	5	<0.05	89	88	80-120	1

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	% Recovery LCS	% Recovery LCSD	Acceptance Criteria	RPD
Chromium	mg/L (ppm)	5	101	102	80-120	1
Copper	mg/L (ppm)	5	103	103	80-120	0
Nickel	mg/L (ppm)	10	102	103	80-120	1
Zinc	mg/L (ppm)	5	103	102	80-120	1

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

903145

mm 31899 A13

Send Report To Alaskan Copper Works
Company 628 Humboldt St. Contact Gerald Thompson
Address Seattle WA 98134
City, State, Zip 206-382-8379
Phone # 206-382-4709 FAX # 3-18-89
Date

PURCHASE ORDER #

PROJECT LOCATION

REMARKS



SAMPLE DISPOSAL INFORMATION

☐ Dispose after 30 days
☒ Return Samples
☐ Call for Instructions

[illegible]

Date _____

Time

Relinquished by:	COMPLAINANT	Date	Time
	GERALD A. Thompson	3/18/99	12:56
Received by:			
	S. O'Leary	3/18/99	12:58
Relinquished by:			
Received by:			

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Jensen, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

March 29, 1999

DUPLICATE COPY

INVOICE #99ACU0329-2

Accounts Payable
Alaskan Copper Works
628 South Hanford St.
Seattle, WA 98134

RE: Project Metro Self Monitor, PO# M78624: Results of testing requested
by Gerry Thompson for material submitted on March 18, 1999.

1 water sample analyzed for
Chromium, Copper, Nickel, and Zinc
using Method 6010 @ \$80 per sample

\$ 80.00

Amount Due

\$ 80.00

FEDERAL TAX ID (b) (6)

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Seattle, WA 98119-2029
TEL: (206) 285-8282
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March 29, 1999

Gerry Thompson, Project Manager
Alaskan Copper Works
628 South Hanford St.
Seattle, WA 98134

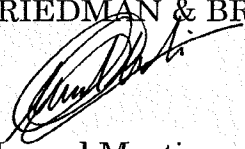
Dear Mr. Thompson:

Included are the results from the testing of material submitted on March 18, 1999 from your Metro Self Monitor, PO# M78624 project. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Manuel Marti
Project Manager

Enclosures
ACU0329R.DOC